

IN THE CLAIMS

1. (currently amended) An information transmission method, comprising:

acquiring one or more of audio information and video information of a performance at a given location;

detecting, concurrent with the acquiring of the one or more of audio information and video information, bio-information of at least one individual present at the given location;

packetizing the acquired one or more of audio information and video information into a stream of first data packets;

performing statistical processing of the bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets of the one or more of audio information and video information;

packetizing the statistically processed bio-information into respective pluralities of second data packets corresponding to the respective pluralities of the first data packets;

multiplexing the stream of first data packets with the second data packets corresponding portions of the detected bio-information by inserting a—each respective portion plurality of second data packets the detected bio information adjacent to at least one its corresponding respective plurality of first data packets—that is concurrent with that portion of the bio information; and

transmitting the multiplexed stream.

2. (previously presented) The information transmission method as set forth in claim 1, wherein the at least one individual includes a speaker, a player, an actor, an actress, or a conductor

who serves as a source of the audio information, and/or a performer or a photographed person who is included within the video information.

3. (previously presented) The information transmission method as set forth in claim 1, wherein the at least one individual includes a listener who is present at the given location when the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

4. - 6. (cancelled)

7. (previously presented) The information transmission method as set forth in claim 1, wherein the bio-information is selected from the group consisting of body motion, myoelectricity, body surface temperature, skin sweating, skin pressure, pulse, breath, micro-vibration, cardioelectricity, heartbeat, and blood pressure.

8. (previously presented) The information transmission method as set forth in claim 1, wherein the detected bio-information is extracted from the one or more of audio information and video information.

9. (currently amended) An information transmission apparatus, comprising:

information acquiring means for acquiring one or more of audio information and video information of a performance at a given location;

bio-information detecting means for detecting, concurrent with the acquiring of the one or more of audio information and video information, bio-information of at least one individual present at the given location; and

first packetizing transmission means for packetizing the acquired one or more of audio information and video information into a stream of first data packets;

bio-information analysis means for performing statistical processing of the bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets of the one or more of audio information and video information;

second packetizing means for packetizing the statistically processed bio-information into respective pluralities of second data packets corresponding to the respective pluralities of the first data packets;

multiplexing means for multiplexing the stream of first data packets with the second data packets corresponding bio-information by inserting a each respective portion plurality of second data packets the detected bio-information adjacent to at least one its corresponding respective plurality of first data packets; that is concurrent with that portion of the bio-information, and

transmission means for transmitting the multiplexed stream.

10. (previously presented) The information transmission apparatus as set forth in claim 9, wherein the at least one individual includes a speaker, a player, an actor, or a conductor who serves as a source of the audio information, and/or a performer or a photographed person who is included within the video information.

11. (previously presented) The information transmission apparatus as set forth in claim 9, wherein the at least one individual includes a listener who is present at the given location

when the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

12. - 14. (cancelled)

15. (previously presented) The information transmission apparatus as set forth in claim 9, wherein the bio-information is selected from the group consisting of body motion, myoelectricity, body surface temperature, skin sweating, skin resistance, pulse, breath, micro-vibration, cardioelectricity, heartbeat, and blood pressure.

16. (previously presented) The information transmission apparatus as set forth in claim 9, wherein the bio-information detecting means extracts the detected bio-information from the one or more of audio information and video information.

17. (currently amended) An information recording method, comprising:

performing statistical processing of the bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets of the one or more of audio information and video information;

packetizing the statistically processed bio-information into respective pluralities of second data packets corresponding to the respective pluralities of the first data packets;

multiplexing the stream of first data packets with the second data packets corresponding portions of the detected bio-information by inserting a each respective portion plurality of second data packets the detected bio-information adjacent to at least one its corresponding respective plurality of first data packets that is concurrent with that portion of the bio information; and

recording the multiplexed stream onto a predetermined recording medium.

18. (previously presented) The information recording method as set forth in claim 17, wherein the at least one individual includes a speaker, a player, an actor, or a conductor who serves as a source of the audio information, and/or a performer or a photographed person who is included within the video information.

19. (previously presented) The information recording method as set forth in claim 17, wherein the at least one individual includes a listener who is present at the given location when the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

20. - 22. (cancelled)

23. (previously presented) The information recording method as set forth in claim 17, wherein the bio-information is selected from the group consisting of body motion, myoelectricity, body surface temperature, skin sweating, skin resistance, pulse, breath, micro-vibration, cardioelectricity, heartbeat, and blood pressure.

24. (previously presented) The information recording method as set forth in claim 17, wherein the detected the recording medium is at least one of optical disc, magnetic tape, hard disc and semiconductor memory.

25. (previously presented) The information recording method as set forth in claim 17, wherein the bio-information is extracted from the one or more of audio information and video information.

26. (currently amended) An information recording apparatus, comprising:

information acquiring means for acquiring one or more of audio information and video information of a performance at a given location;

bio-information detecting means for detecting, concurrent with the acquiring of the one or more of audio information and video information, bio-information of at least one individual present at the given location; and

first packetizing recording means for packetizing the acquired one or more of audio information and video information into a stream of first data packets;

bio-information analysis means for performing statistical processing of the bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets of the one or more of audio information and video information;

second packetizing means for packetizing the statistically processed bio-information into respective pluralities of second data packets corresponding to the respective pluralities of the first data packets;

multiplexing means for multiplexing the stream of first data packets with the second data packets corresponding bio-information by inserting ~~a~~ each respective portion plurality of second data packets the detected bio-information adjacent to at least one its corresponding respective plurality of first data packets; that is concurrent with that portion of the bio-information; and

recording means for recording the multiplexed stream onto a predetermined recording medium.

27. (previously presented) The information recording apparatus as set forth in claim 26, wherein the at least one

individual includes a speaker, a player, an actor, or a conductor who serves as a source of the audio information, and/or a performer or a photographed person who is included within the video information.

28. (previously presented) The information recording apparatus as set forth in claim 26, wherein the at least one individual includes a listener who is present at the given location when the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

29. - 31. (cancelled)

32. (previously presented) The information recording apparatus as set forth in claim 26, wherein the bio-information is selected from the group consisting of body motion, myoelectricity, body surface temperature, skin sweating, skin resistance, pulse, breath, micro-vibration, cardioelectricity, heartbeat, and blood pressure.

33. (previously presented) The information recording apparatus as set forth in claim 26, wherein the recording medium is selected from the group consisting of optical disc, magnetic tape, hard disc, and semiconductor memory.

34. (previously presented) The information recording apparatus as set forth in claim 26, wherein the bio-information detecting means extracts the detected bio-information from the one or more of audio information and video information.

35. (currently amended) An information reproducing method, comprising:

decomposing a multiplexed data stream into respective pluralities of first data packets of one or more of audio information and video information and into corresponding respective pluralities of second data packets portions—of

statistically processed bio-information, the multiplexed data stream having a—each respective portion plurality of second data packets of the statistically processed bio-information being disposed adjacent to at least one concurrent its corresponding respective plurality of first data packets, the one or more of audio information and video information being acquired at a performance at a given location, the bio-information being of at least one individual present at the given location and being detected concurrent with the acquiring of the one or more of audio information and video information, the statistically processed bio-information being generated by performing statistical processing of the detected bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets;

reproducing the one or more of audio information and video information for delivery to a user; and

providing, to the user, sense stimulation based on the bio-information concurrent with the delivery of the one or more of the audio information and video information.

36. (previously presented) The information reproducing method as set forth in claim 35, wherein the multiplexed data stream is received through a transmission method.

37. (previously presented) The information reproducing method as set forth in claim 35, wherein the multiplexed data stream is read out from a recording medium.

38. (previously presented) The information reproducing method as set forth in claim 35, wherein the at least one individual includes a speaker, a player, an actor, or a conductor who serves as a source of the audio information, and/or a performer

or a photographed person who is included within the video information.

39. (previously presented) The information reproducing method as set forth in claim 35, wherein the at least one individual includes a listener present at the given location when the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

40. (currently amended) An information reproducing method, comprising:

decomposing a multiplexed data stream into respective pluralities of first data packets of one or more of audio information and video information and into corresponding respective pluralities of second data packets portions of statistically processed bio-information, the multiplexed data stream having a each respective portion plurality of second data packets of the statistically processed bio-information being disposed adjacent to at least one concurrent its corresponding respective plurality of first data packets, the one or more of audio information and video information being acquired at a performance at a given location, the bio-information being of at least one individual present at the given location and being detected concurrent with the acquiring of the one or more of audio information and video information, the statistically processed bio-information being generated by performing statistical processing of the detected bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets; and

controlling, based on the bio-information, reproduction of the one or more of audio information and video information.

41. (previously presented) The information reproducing method as set forth in claim 40, wherein the multiplexed data stream is received through a transmission medium.

42. (previously presented) The information reproducing method as set forth in claim 40, wherein the multiplexed data stream is read out from a record medium.

43. (previously presented) The information reproducing method as set forth in claim 40, wherein the at least one individual includes a speaker, a player, an actor, or a conductor who serves as a source of the audio information, and/or a performer or a photographed person who is included within the video information.

44. (previously presented) The information reproducing method as set forth in claim 40, wherein the at least one individual includes a listener present at the given location when the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

45. (currently amended) An information reproducing apparatus, comprising:

means for decomposing a multiplexed data stream into respective pluralities of first data packets of one or more of audio information and video information and into corresponding respective pluralities of second data packets portions of statistically processed bio-information, the multiplexed data stream of data packets having a each respective portion plurality of second data packets of the statistically processed bio-information being disposed adjacent to at least one concurrent its corresponding respective plurality of first data packets, the one or more of audio information and video information being acquired at a performance at a given

location, the bio-information being of at least one individual present at the given location and being detected concurrent with the acquiring of the one or more of audio information and video information, the statistically processed bio-information being generated by performing statistical processing of the detected bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets;

means for reproducing the one or more of audio information and video information for delivery to a user; and

means for providing, to the user, sense stimulation based on the bio-information concurrent with the delivery of the one or more of the audio information and video information.

46. (previously presented) The information reproducing apparatus as set forth in claim 45, further comprising: means for receiving the multiplexed data stream through a transmission medium.

47. (previously presented) The information reproducing apparatus as set forth in claim 45, further comprising: means for reading out the multiplexed data stream from a recording medium.

48. (previously presented) The information reproducing apparatus as set forth in claim 45, wherein the at least one individual includes a speaker, a player, an actor, or a conductor who serves as a source of the audio information, and/or a performer or a photographed person who is included within the video information.

49. (previously presented) The information reproducing apparatus as set forth in claim 45, wherein the at least one individual includes a listener present at the given location when

the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

50. (currently amended) An information reproducing apparatus, comprising:

means for decomposing a multiplexed data stream into respective pluralities of first data packets of one or more of audio information and video information and into corresponding respective pluralities of second data packets portions of statistically processed bio-information, the multiplexed data stream of data packets having a each respective portion plurality of second data packets of the statistically processed bio-information being disposed adjacent to at least one concurrent its corresponding respective plurality of first data packets, the one or more of audio information and video information being acquired at a performance at a given location, the bio-information being of at least one individual present at the given location and being detected concurrent with the acquiring of the one or more of audio information and video information, the statistically processed bio-information being generated by performing statistical processing of the detected bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets; and

means for controlling, based on the bio-information, reproduction of the one or more of audio information and video information.

51. (previously presented) The information reproducing apparatus as set forth in claim 50, further comprising: means for receiving the multiplexed data stream through a transmission medium.

52. (previously presented) The information reproducing apparatus as set forth in claim 50, further comprising: means for reading out the multiplexed data stream from a recording medium.

53. (previously presented) The information reproducing apparatus as set forth in claim 50, wherein the at least one individual includes a speaker, a player, an actor, or a conductor who serves as a source of the audio information, and/or a performer or a photographed person who is included within the video information.

54. (previously presented) The information reproducing apparatus as set forth in claim 50, wherein the at least one individual includes a listener present at the given location when the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

55. (currently amended) A recording medium having recorded therein a multiplexed data stream comprised of respective pluralities of first data packets of one or more of audio information and video information and ~~comprised of~~ corresponding respective pluralities of second data packets ~~portions of~~ statistically processed bio-information, the multiplexed data stream having ~~a each respective portion plurality of second data packets of the statistically processed~~ bio-information being disposed adjacent to ~~at least one concurrent its corresponding~~ respective plurality of first data packets, the one or more of audio information and video information being acquired at a performance at a given location, the bio-information being of at least one individual present at the given location and being detected concurrent with the acquiring of the one or more of audio information and video information, the statistically processed bio-information being generated by performing statistical processing of

the detected bio-information over predetermined time intervals corresponding to respective pluralities of the first data packets.

56. (previously presented) The recording medium as set forth in claim 55, wherein the at least one individual includes a speaker, a player, an actor, or a conductor who serves as a source of the audio information, and/or a performer or a photographed person who is included within the video information.

57. (previously presented) The recording medium as set forth in claim 55, wherein the at least one individual includes a listener present at the given location when the audio information is acquired and/or a viewer present at the given location when the video information is acquired.

58. (cancelled)

59. (previously presented) The recording medium as set forth in claim 55, wherein the bio-information is selected from the group consisting of body motion, myoelectricity, body surface temperature, skin sweating, skin resistance, pulse, breath, micro-vibration, cardioelectricity, heartbeat, and blood pressure.